

'727 Captain'

FLIGHT MANUAL

PART I - User's Manual

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DO NOT USE FOR FLIGHT

ABOUT THIS MANUAL

VERSION: 23 FEBRUARY, 2010

WARNING: THIS MANUAL IS DESIGNED FOR MICROSOFT® FSX USE ONLY. DO NOT USE FOR FLIGHT.

The '727 Captain' FLIGHT MANUAL is organized into three Parts.
Each Part is provided as a separate Acrobat® PDF document:

Click START > Programs > Captain Sim > 727 Captain >

- **Part I – User's Manual** - this document.
 - o The User's Manual describes the '727 Captain' Sim product as a software title.
- **Part II – Aircraft and Systems**
- **Part III – Operations**

Adobe Acrobat® Reader Required

FOR GENERAL INFORMATION ON THE '727 CAPTAIN' PRODUCT PLEASE USE WWW.CAPTAINSIM.COM .
THIS MANUAL PROVIDES ADDITIONAL INFORMATION ONLY, WHICH IS NOT AVAILABLE ON THE WEB SITE.

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'727 CAPTAIN' FAMILY OF PRODUCTS

The '727 Captain' family consists of the following three separate products for MS FSX:

- 727-100 Base Pack
- 727-200 Expansion model
- 727 Freighter Expansion Model

WWW: [More info](#) | [Pricing](#)

EXPRESS LINE PRODUCTS

Upon the '727 Captain' **Pro Line** version release all of the '727 Captain' **Express Line** products (**Exterior 100** and **Exterior 200**) are discontinued and not available anymore.

WWW: Learn more about the [Product Lines](#).

UPGRADE FROM DISCONTINUED 'EXTERIOR 100' AND 'EXTERIOR 200'

If you have previously purchased **Exterior 100** you can buy the **727-100 Base Pack** with discount.

If you have previously purchased **Exterior 200** you can buy the **727-200 Expansion Model** with discount.

WWW: [Details](#)

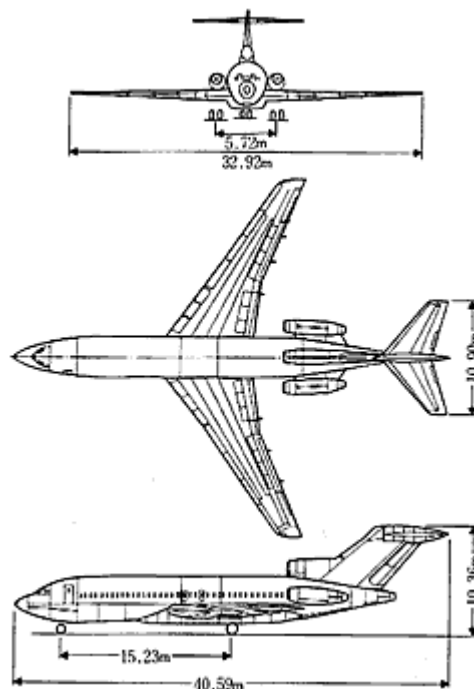


727-100 Base Pack

The **Base Pack** delivers the following features for all of the '727 Captain' models (-100, -200 and Freighter).

- 727-100 exterior models
- Interior models (VC)
- 2D panels (no main 2D panel)
- Systems and flight instruments
- Authentic Sound Set
- ACE (Aircraft Configuration Editor)

THE BOEING 727 AIRCRAFT



The versatility and reliability of the Boeing 727 -- first trijet introduced into commercial service -- made it the best-selling airliner in the world during the first 30 years of jet transport service. The jet age essentially began in 1952 with the introduction of the British-designed de Havilland Comet. Several jetliners, including the Boeing 707, were developed before the 727, but none came close to its sales record.

Production of the 727 extended from the early 1960s to August 1984 -- a remarkable length of time, considering the original market forecast was for 250 airplanes. As it turned out, 1,831 were delivered. Twenty years later, when the last 727 was delivered, this versatile fleet was carrying 13 million passengers each month. As of January 2001, nearly 1,300 of the reliable aircraft were still in service.

On Jan. 13, 1991, the first 727 built -- which had been in continual service with United Airlines since 1964 -- finally made its last commercial flight and was donated to the Museum of Flight in Seattle.

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Introduced into service in February 1964, the 727 trijet became an immediate hit with flight crews and passengers alike. With a fuselage width the same as the 707 (and the later 737 and 757), it provided jet luxury on shorter routes. With sophisticated, triple-slotted trailing edge flaps and new leading-edge slats, the 727 had unprecedented low-speed landing and takeoff performance for a commercial jet and could be accommodated by smaller airports than the 707 required.

The 727, like all Boeing jetliners, was continually modified to fit the changing market. It began with the -100 series, of which 407 were sold. This was followed by the -100C convertible that featured a main-deck side cargo door, allowing it to carry either cargo pallets or passengers -- or a combination of both -- on the main deck. Boeing built 164 of these.

The 727 became the best-selling airliner in history when orders passed the 1,000 mark in September 1972. By January 1983, orders reached 1,831. One Boeing-owned test airplane brought the grand total to 1,832. Today, the Boeing 737 has surpassed that total, but the 727 holds a permanent place in the annals of aviation as one of the most significant airplanes in the development of the world's jet transportation system.

On Dec. 5, 1977, the worldwide 727 fleet carried its one billionth (1,000,000,000) passenger -- a mark never attained before by a commercial aircraft. Today, the number has reached well over 4 billion.

One hundred and one customers purchased new 727s from Boeing, although dozens more have placed the airplane type into service as "second tier" operators. More than 300 727s built as passenger airplanes have been converted to freighters, a process that continues today.

[More information on the Boeing 727 aircraft](#)

SPECIFICATION

The **Base Pack** is available as a separate product at www.captainsim.com

File Name: csp721_XX00.exe or csu721_XX00.exe (upgrade from Exterior 100)

Size: ~48,6 MB

INSTALLATION

1. Right after a purchase you will receive an automated email message from Captain Sim Sales with your Order Number and download links.

Note:

- How to get the product download links if you did not receive our email receipts?
 - Please check-in to [Your Profile](#)
 - In Your Profile click: **Product Name > Extended Download Service** and download the product.
- Please keep your ORDER NUMBER safe. You will need it for future re-install, updates etc.

2. Download the .exe file to any folder. **Please backup the files to avoid the extra charge in future please keep your downloads and Check-in info safe!**
3. Double click on the .exe file and follow the prompts.

Note:

- YOUR PC MUST BE CONNECTED TO THE INTERNET FOR THE INSTALLATION.
- ORDER NUMBER IS REQUIRED FOR THE INSTALLATION.
- The installation software will automatically add the '727-100 Base Pack' to your MSFS.

DO NOT USE FOR FLIGHT

- Upon installing the models will appear as 'Boeing 727-100' under 'Boeing' manufacturer, 'Captain Sim' publisher in the MSFS aircraft selection menu.
- Links to Support, Updates, Manuals and Uninstall will be available via:
Click START > Programs > Captain Sim > 727 Captain >

UNINSTALLATION

Click START > Programs > Captain Sim > 727 Captain > 727-100 > Uninstall

Note:

The *727-200 Expansion Model* and the *727 Freighter Expansion Model* will not work after the 727-100 Base Pack deinstallation.

SYSTEMS

See *FLIGHT MANUAL Part II – Aircraft Systems* for details.

2D PANELS**'ICONS' CONTROL 2D PANEL**

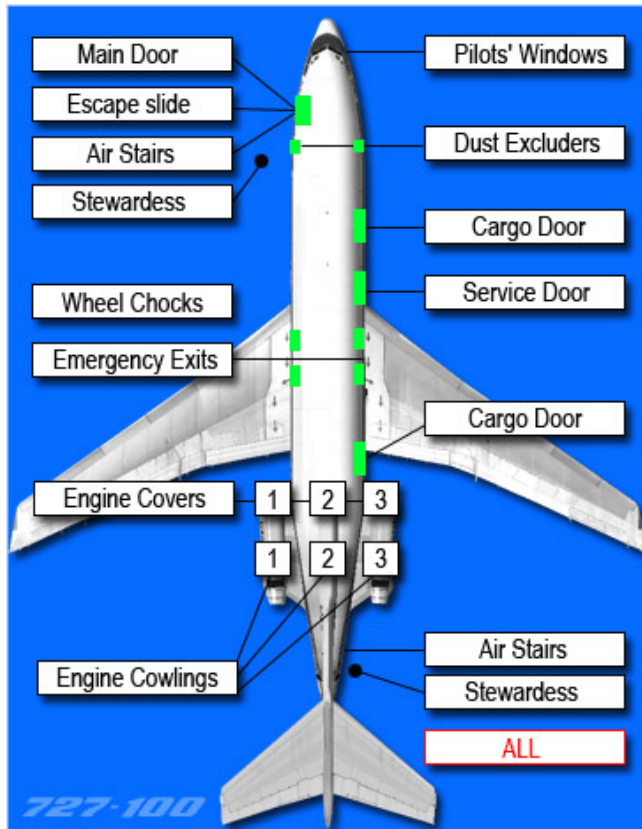
Press Shift+1 to show/hide the 'ICONS' CONTROL PANEL.

The Icons Control Panel designed to manage 2D panels and Views.

	A	B	The icons legend:	Keys
1			1A -- Animations Control panel	Shift+2
			1B -- Autopilot panel	Shift+4
2			2A -- Radio Stack panel	Shift+3
			2B -- Crew Messenger panel	Shift+5
3			3A -- MSFS ATC window	~
			3B -- MSFS Map window	Menu>World>Map
4			4A -- MSFS Kneeboard panel	-
			4B -- MSFS GPS panel	Shift+6
5			5A -- External Bleed Air	-
			5B -- External Power	-
6			6A -- Passenger Cabin clean up	-
			6B -- Exit the Control panel	-

DO NOT USE FOR FLIGHT**MODEL ANIMATION CONTROL PANEL**

Press Shift+2 or its icon to show/hide the panel.



Press any white label/button to initiate the corresponding animation of the Exterior Model.

Notes:

- You cannot put the ENGINE COVERS if an engine is running.
- You cannot open ENGINE COWLINGS and put DUST EXCLUDERS inflight.
- If your speed is more than 0 KIAS you cannot set the WHEEL CHOCKS, STEWARDESS, AIR STAIRS and ESCAPE SLIDE.
- The ALL button overrides all other buttons and initiate all animations simultaneously (Escape Slide and Emergency Exits animations are not initiated with ALL button).
- Three Engine Cowlings are available in Boeing 727-100 QW/RE 'Super 27' model only.

Available animations key combinations:

Main Door - Shift+E

Tail Skid retraction/extension - Tail Hook *(Must be assigned by you via FSX Menu > Options > Settings > Controls > Buttons/Keys)*

WINGLETS

After market winglets have been installed on many 727s as part of so called "Quiet Wing" Kits. Operator benefits include: noise reduction, improved second segment climb, enhanced operational flexibility (such as trading improved fuel burn for faster cruise speeds), improved takeoff performance out of high, hot, or obstacle limited airports, reduced engine maintenance costs, enhanced aesthetic appeal, increased aircraft residual value, and a range of environmental benefits.



External View

The Winglets are available for both, VC Passenger Views and all external views.

Note:

To add winglets to all models please use ACE Editor, see 'ACE (Aircraft Configuration Editor) utility' section of this Manual for details.

MISCELLANEOUS FEATURES

EXTERIOR MODELS

Animations



Compressor Fans (2)



Engine Cowling (8)



Engine Exhaust Covers (3)



Engine Intake Covers (3)



Main Entry Door



Pilots' Windows (2)



Wheel Chocks (6)



Landing Gear Doors (8)



Escape Slide



Aft Air Stairs



Forward Air Stairs



Emergency Exits (4)



Nose wheel Steering



Starboard Service Door

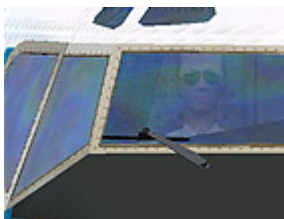


Starboard Aft Lower Cargo Door

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Stewardess (2)



Wipers (2)



Ailerons (4)



Elevators (2)



Rudder



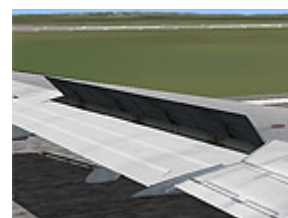
Engine Reverser (2)



Starboard Fwd Lower Cargo Door



Dust Excluders (6)



Spoilers (14 sections)



Wing Flaps (12 sections)



Wing Slats (10 sections)



Stabilizer



Elevator trim



Ailerons trim



Rudder trim

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Misc Features



Custom Self-shade



Wing Flex

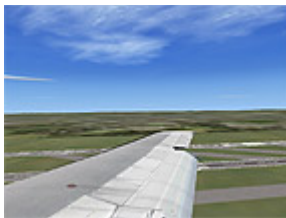


Blended Winglets



Wing Vortices

Preselected Custom Views



Right Side Window



Left Side Window



Landing Gear



Nose



Tail



Right Wing



Left Wing

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VIRTUAL COCKPIT

Animations



Armrest (6)



Pilot's seat (2) (up-down)



Control Wheel Clipboard (2)



Oxygen Mask



Pedals position and adjustment handle (4+2)



Pilots Windows (2)



Air Vent Controls (4)



Second Officer's Seat (forward-backward, up-down)



Flight Deck Door



Fuel Dump Panel Door



Nose Steering Wheel



Cabin Air Distribution Lever



Wipers (2)



Control Wheel and Column (2)



Galley Box

DO NOT USE FOR FLIGHT



Main Door



Lavatory Door



Arm Rests (24)



Service Door



Passenger Head Rests (18)



Seat Tables (18)



Aft Door



Aft Air Stairs



Overhead compartment (42)



Blinds (68)

Misc Features



Galley Self-Shadow



Cabin Self-Shadow

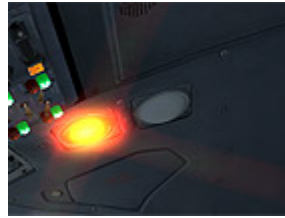


VC Self-Shadow

DO NOT USE FOR FLIGHT



Exclusive Light Effects



Independent Lights Control

Preselected Custom Views



Virtual Cockpit



Captain



First Officer



Overhead



Pedestal



Flight Engineer



Galley



Passenger Seat



Wing View



Engine View



727-200 Expansion Model

The '727-100 Base Pack' is required!

The **727-200 Expansion Model** delivers 727-200 exterior models for 727-100 Base Pack.

This part of the manual describes the 727-200 specific features only.

SPECIFICATION

The **727-200 Expansion Model** is available as a separate product at www.captainsim.com

File Name: csp722_XX00.exe

Size: ~12,5 MB

INSTALLATION

1. Right after a purchase you will receive an automated email message from Captain Sim Sales with your Order Number and download links.

Note:

- How to get the product download links if you did not receive our email receipts?
 - Please check-in to [Your Profile](#)
 - In Your Profile click: **Product Name > Extended Download Service** and download the product.
 - Please keep your ORDER NUMBER safe. You will need it for future re-install, updates etc.
2. Download the .exe file to any folder. **Please backup the files to avoid the extra charge in future please keep your downloads and Check-in info safe!**
 3. Double click on the .exe file and follow the prompts.

Note:

- YOUR PC MUST BE CONNECTED TO THE INTERNET FOR THE INSTALLATION.
- ORDER NUMBER IS REQUIRED FOR THE INSTALLATION.
- The installation software will automatically add the '727-200 Expansion Model' to your MSFS.
- Upon installing the models will appear as 'Boeing 727-200' under 'Boeing' manufacturer, 'Captain Sim' publisher in the MSFS aircraft selection menu.
- Links to Support, Updates, Manuals and Uninstall will be available via:
Click START > Programs > Captain Sim > 727 Captain >

DO NOT USE FOR FLIGHT**UNINSTALLATION**

Click START > Programs > Captain Sim > 727 Captain > 727-200 > Uninstall

Note:

The 727-200 Expansion Model will not work if the 727-100 Base Pack is not installed.

SYSTEMS

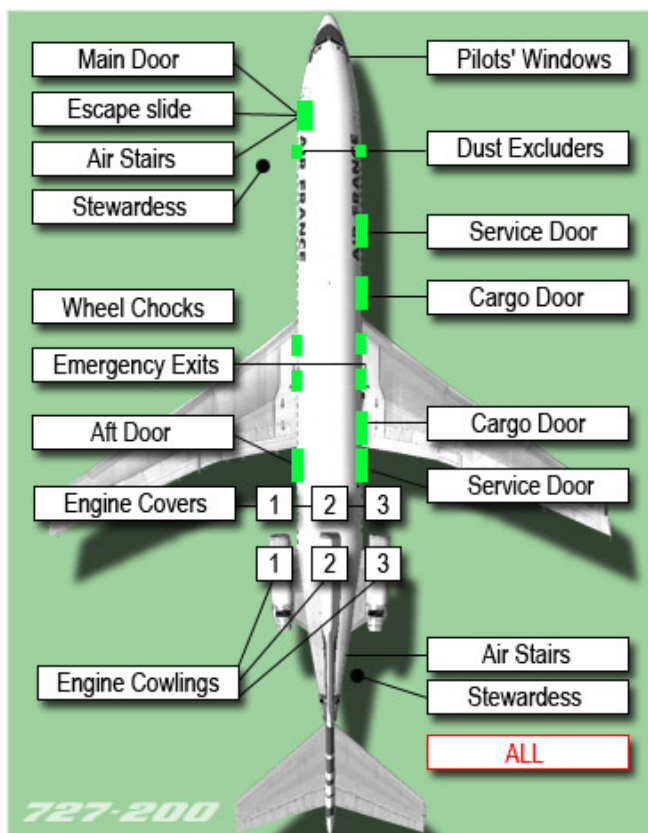
See FLIGHT MANUAL Part II – Aircraft Systems for details.

2D PANELS**'ICONS' CONTROL 2D PANEL**

See 727-100 Base Pack section of this Manual for details.

MODEL ANIMATION CONTROL PANEL

Press Shift+2 or its icon to show/hide the panel.



Press any white label/button to initiate the corresponding animation of the Exterior Model.

Notes:

- You cannot put the ENGINE COVERS if an engine is running.
- You cannot open ENGINE COWLINGS and put DUST EXCLUDERS inflight.
- If your speed is more than 0 KIAS you cannot set the WHEEL CHOCKS, STEWARDESS, AIR STAIRS and ESCAPE SLIDE.
- The ALL button overrides all other buttons and initiate all animations simultaneously (Escape Slide and Emergency Exits animations are not initiated with ALL button).
- Three Engine Cowlings are available in Boeing Boeing 727-200 QW/RE 'Wedge' model only.

Available animations key combinations:

Main Door - Shift+E

Tail Skid retraction/extension - Tail Hook (Must be assigned by you via FSX Menu > Options > Settings > Controls > Buttons/Keys)



727 Freighter Expansion Model

The '727-100 Base Pack' is required!

The **727 Freighter Expansion Model** delivers 727 Freighter exterior models for 727-100 Base Pack.

This part of the manual describes the 727 Freighter specific features only.

SPECIFICATION

The **727 Freighter Expansion Model** is available as a separate product at www.captainsim.com

File Name: csp723_XX00.exe

Size: ~16,5 MB

INSTALLATION

1. Right after a purchase you will receive an automated email message from Captain Sim Sales with your Order Number and download links.

Note:

- o How to get the product download links if you did not receive our email receipts?
 - Please check-in to [Your Profile](#)
 - In Your Profile click: **Product Name > Extended Download Service** and download the product.
 - o Please keep your ORDER NUMBER safe. You will need it for future re-install, updates etc.
2. Download the .exe file to any folder. **Please backup the files to avoid the extra charge in future please keep your downloads and Check-in info safe!**
 3. Double click on the .exe file and follow the prompts.

Note:

- YOUR PC MUST BE CONNECTED TO THE INTERNET FOR THE INSTALLATION.
- ORDER NUMBER IS REQUIRED FOR THE INSTALLATION.
- The installation software will automatically add the '727 Freighter Expansion Model' to your MSFS.
- Upon installing the models will appear as 'Boeing 727-100 Freighter' and 'Boeing 727-200 Freighter' under 'Boeing' manufacturer, 'Captain Sim' publisher in the MSFS aircraft selection menu.
- Links to Support, Updates, Manuals and Uninstall will be available via:
Click START > Programs > Captain Sim > 727 Captain >

DO NOT USE FOR FLIGHT**UNINSTALLATION**

Click START > Programs > Captain Sim > 727 Captain > 727-Freighter > Uninstall

Note:

The *727-200 Freighter Expansion Model* will not work if the 727-100 Base Pack is not installed.













SYSTEMS

See *FLIGHT MANUAL Part II – Aircraft Systems* for details.

2D PANELS**'ICONS' CONTROL 2D PANEL**

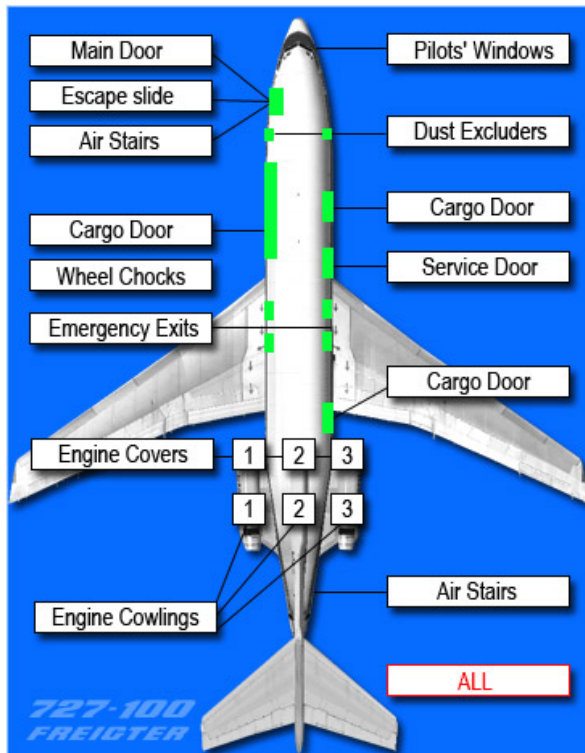
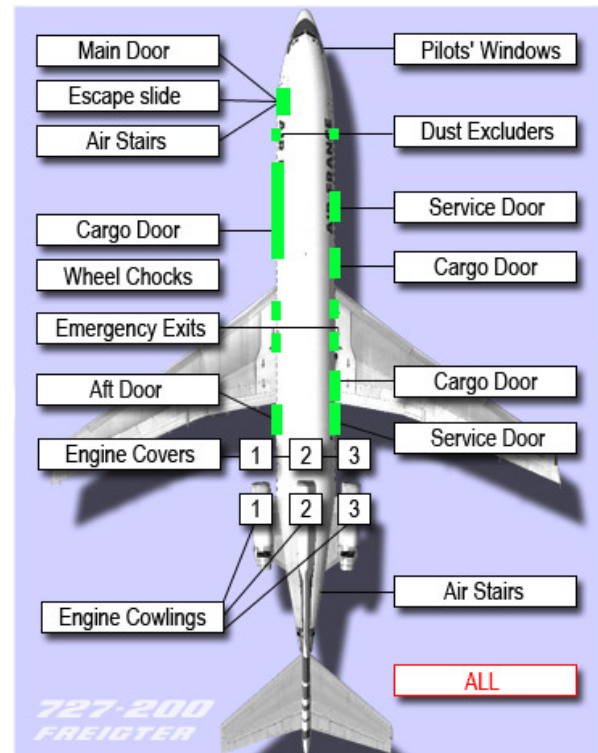
Press Shift+1 to show/hide the 'ICONS' CONTROL PANEL.

The Icons Control Panel designed to manage 2D panels and Views.

	A	B	The icons legend:	Keys
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			1B -- Autopilot panel	Shift+4
2			2A -- Radio Stack panel	Shift+3
			2B -- Crew Messenger panel	Shift+5
3			3A -- MSFS ATC window	~
			3B -- MSFS Map window	Menu>World>Map
			4A -- MSFS Kneeboard panel	-
4			4B -- MSFS GPS panel	Shift+6
			5A -- External Bleed Air	-
			5B -- External Power	-
5			6A -- Load Manager Control Panel	Shift+7
			6B -- Exit the Control panel	-
6				

DO NOT USE FOR FLIGHT**MODEL ANIMATION CONTROL PANEL**

Press Shift+2 or its icon to show/hide the panel.

727-100 Freighter**727-200 Freighter**

Press any white label/button to initiate the corresponding animation of the Exterior Model.

Notes:

- You cannot put the ENGINE COVERS if an engine is running.
- You cannot open ENGINE COWLINGS and put DUST EXCLUDERS inflight.
- If your speed is more than 0 KIAS you cannot set the WHEEL CHOCKS, AIR STAIRS and ESCAPE SLIDE.
- The ALL button overrides all other buttons and initiate all animations simultaneously (Escape Slide and Emergency Exits animations are not initiated with ALL button).
- Three Engine Cowlings are available in 727-100 Purolator and 727-200 FedEx models only.

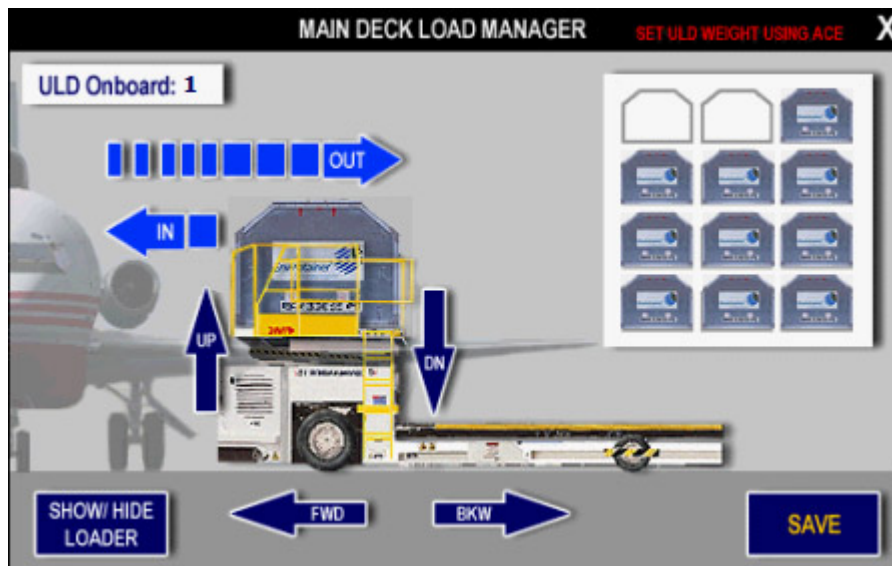
Available animations key combinations:

Main Door - Shift+E

Tail Skid retraction/extension - Tail Hook *(Must be assigned by you via FSX Menu > Options > Settings > Controls > Buttons/Keys)*

DO NOT USE FOR FLIGHT**LOAD MANAGER**

Load Manager Control panel provides independent real-time operation of the animated Aircraft Loader. Use Icons Control Panel (Shift+2) OR press Shift+7 to show/hide Load Manager panel.

**ULD Onboard**

Indicates the number of Unit Load Devices onboard.

IN/OUT Pointers

Press the corresponding pointer to upload/unload the units to/from the main cargo deck.

Note:

Main Cargo Door should be open for loading. Use Model Animation Control 2D Panel (Shift+2).

Units Selection

Click on any available unit to load it on the Aircraft Loader. The loader should be back on the loading area with a lift lowered.

Note: you can load 8 units into 727-100 Freighter Model and 12 units into 727-200 Freighter Model.

UP/DN Pointers

Press the corresponding pointer to move the Lift up or down.

FWD/BKW Pointers

Press the corresponding pointer to drive the Loader between an aircraft and loading area.

Show/Hide Loader

Press the button to show/hide the Loader.

Note:

Make sure aircraft is on parking brakes. If an aircraft start rolling with the Loaders shown they will be hidden automatically.

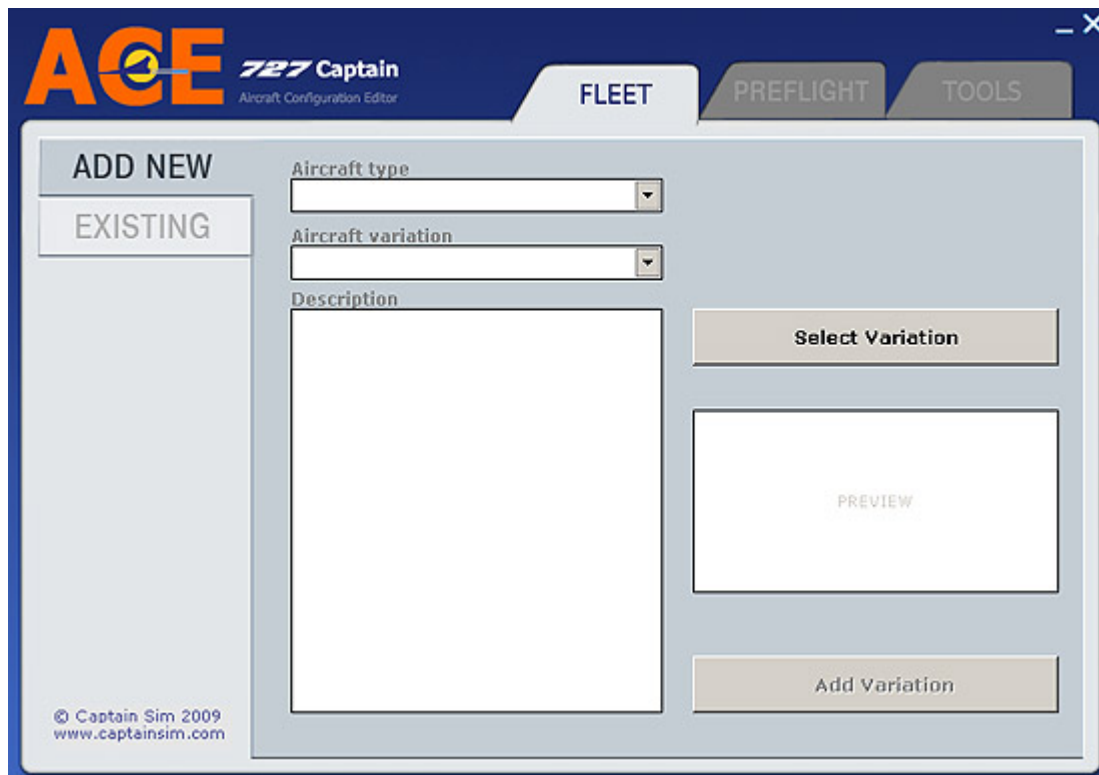
Press SAVE button to save changes in cargo settings.

DO NOT USE FOR FLIGHT**ACE (AIRCRAFT CONFIGURATION EDITOR) UTILITY**

ACE is not available as a separate product anymore.

'FLEET' TAB

The **FLEET** tab contains two vertical tabs: **ADD NEW** and **EXISTING**.

'ADD NEW' TAB

The ADD NEW vertical tab helps you to add new '727 Captain' Sim livery to FSX.

HOW TO ADD NEW XYZ LIVERY?

1. Make sure your Flight Simulator is not running.
2. Create folder in **[FSX Root Folder]/Captain_Sim/727/variants** folder.
3. Download new 727 livery archive to the created folder:
[FSX Root Folder]/Captain_Sim/727/variants/XYZ
4. Unzip all content of the downloaded archive to the same folder: **[FSX Root Folder]/Captain_Sim/727/variants/XYZ**
5. Make sure all textures bmp files and *Description.txt* and *xyz.jpg* files are present and located in the XYZ folder.
6. Start ACE: go START>PROGRAMS>CAPTAIN SIM> 727 CAPTAIN> ACE.
7. Press 'ADD NEW' tab.

DO NOT USE FOR FLIGHT

- Press SELECT VARIATION button and select the variation you want to add. Press OK.

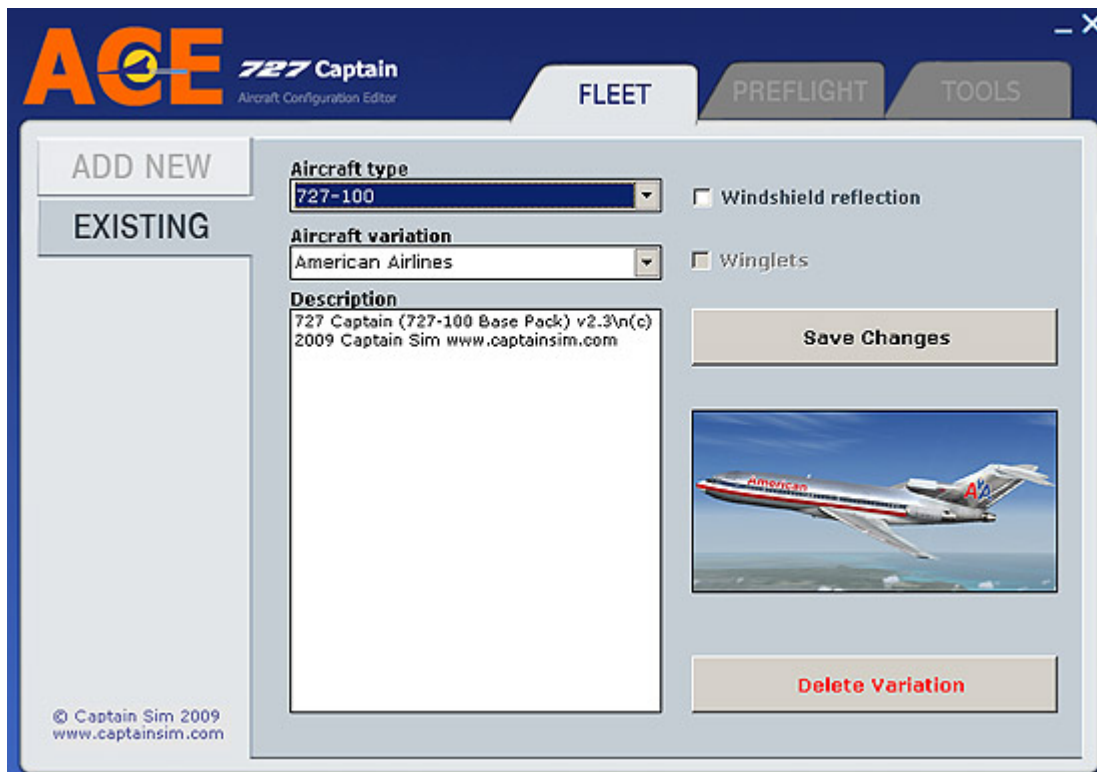
The new variation's image should appear in preview window. Also the new variation info and description should appear in the text fields.

- Press ADD VARIATION button.

Done! The new variation will appear in your FSX under BOEING manufacturer, CAPTAIN SIM publisher.

'EXISTING' TAB

The EXISTING tab helps you to manage existing (installed to FSX) '727 Captain' Sim liveries:

**HOW TO EDIT LIVERY DESCRIPTION?**

- Press 'EXISTING' tab button.

Note

You can modify text in description field. You cannot change Aircraft type and Aircraft variation.

- Select 'AIRCRAFT TYPE'.
- Select 'AIRCRAFT VARIATION'. Now you can edit texts for the selected livery.
- When finished, press 'SAVE CHANGES' button to save the changes.

HOW TO DELETE A LIVERY?

- Press "EXISTING" tab button.
- Select 'AIRCRAFT TYPE'.

DO NOT USE FOR FLIGHT

3. Select 'AIRCRAFT VARIATION'. 'DELETE VARIATION' buttons will be activated.
4. Press 'DELETE VARIATION' button. Pressing 'OK' button will delete the selected variation from your '727 Captain' fleet. **No backup copy will be saved.**

MODEL SELECTION:

- **Windshield reflection**
 - Yes – windshield reflection is available on **all** 727 models.
 - No – no windshield reflection on **all** 727 models.
- **Winglets ***
 - Yes - winglets will appear on selected 727 model. Aircraft variation will be moved to corresponding aircraft type section.
 - No – no winglets on on selected 727 model. Aircraft variation will be moved to corresponding aircraft type section.

* Note: You may not add/remove winglets if the winglets checkbox is greyed out and inactive.

Press SAVE CHANGES to save all settings.

'PREFLIGHT' TAB (Load Manager)

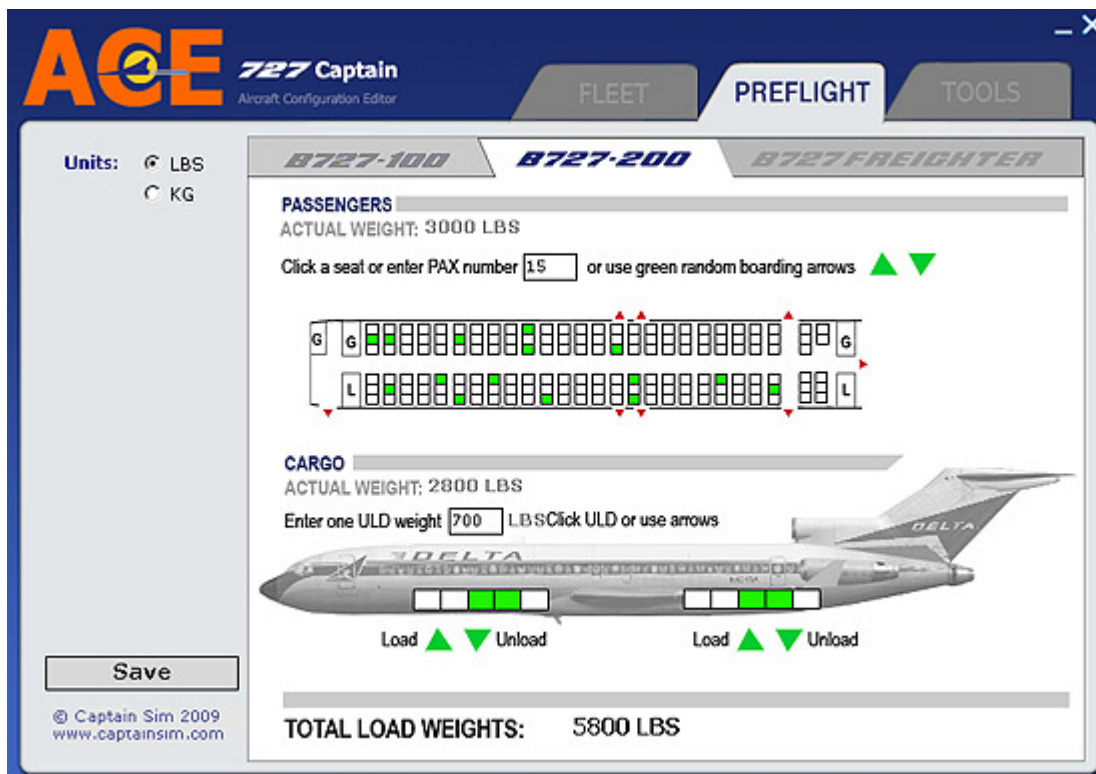
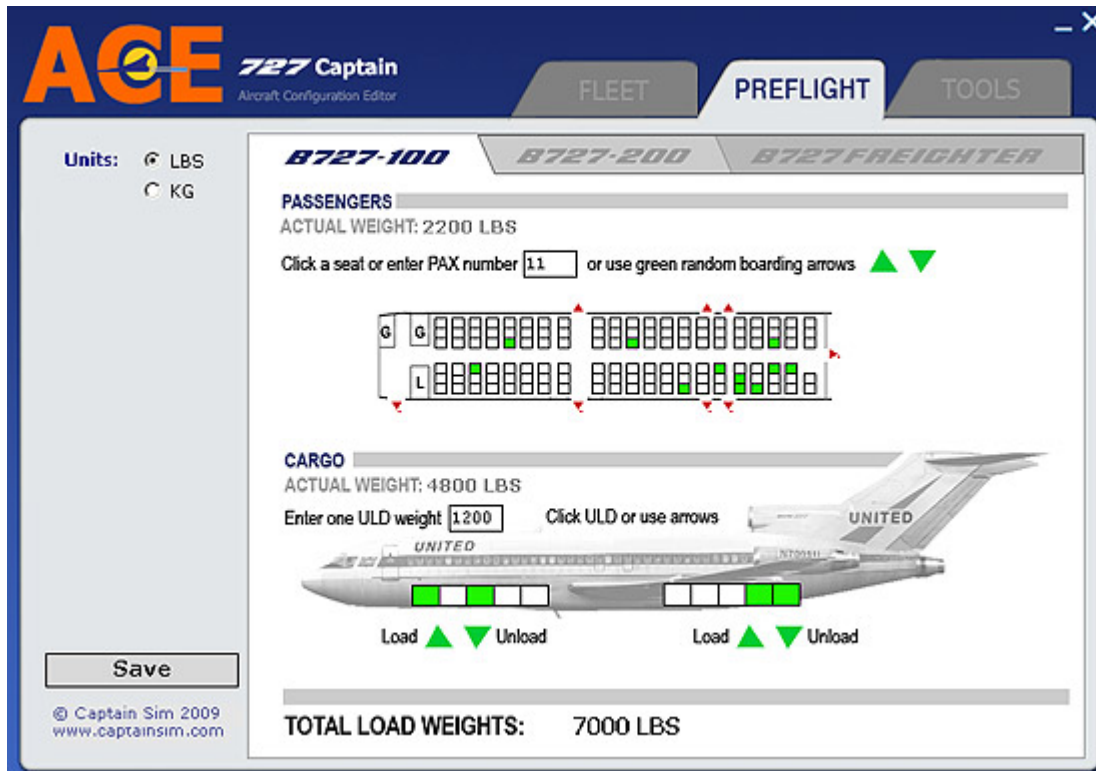
Use for payload settings of the 727 models.

Note:

When you open this tab ACE always reads 0 KG/LBS regardless of your previous load settings.

DO NOT USE FOR FLIGHT

B727-100/B727-200 TABS



DO NOT USE FOR FLIGHT

Use radio button to select Measurement System – LBS (pounds) or KG (kilograms).

Passengers

Click a seat or use green random boarding arrows or enter a number of passengers in the field.
Actual weight will be displayed.

Cargo

Enter one ULD weight. Click ULD section image or use green arrows to load/unload cargo on the lower deck.
Actual cargo weight will be displayed.

Total Load Weights – displays current total load weight (PAX + Cargo).

Note:

No fuel included/calculated. For fuel load management use FSX default utilities.

Press 'SAVE' Button.

'B727 FREIGHTER' TAB

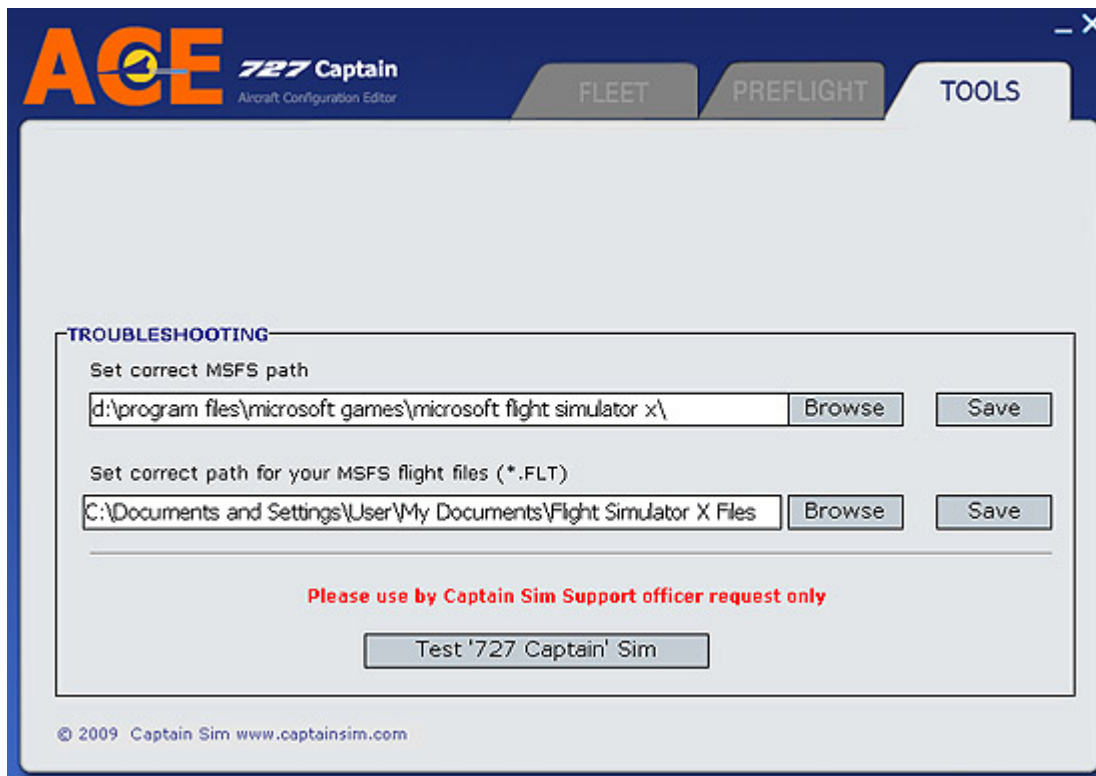
The screenshot displays the 'ACE 727 Captain Aircraft Configuration Editor' window. The 'B727 FREIGHTER' tab is selected, showing configuration options for the aircraft's cargo capacity. On the left, there are radio buttons for 'Units: LBS' (selected) and 'KG'. The main area is divided into two sections: 'MAIN CARGO DECK' and 'LOWER CARGO DECK'. Each section has an input field for 'Enter one ULD weight' followed by 'LBS'. The 'MAIN CARGO DECK' field contains the value '4000', and the 'LOWER CARGO DECK' field contains '700'. To the right of each input field is a 3D wireframe model of a cargo container. At the bottom left, there is a 'Save' button. At the bottom center, a green text message reads: 'FOR REALTIME ANIMATED LOADING RUN MS FS AND USE THE '727 FREIGHTER' LOAD MANAGER'. The footer of the window shows '© Captain Sim 2009 www.captainsim.com'.

Use radio button to select Measurement System – LBS (pounds) or KG (kilograms).

Enter one ULD weight for Main Cargo Deck and Lower Cargo Deck.

Press 'SAVE' Button. All load settings apply to all 727 Freighter models.

FOR REALTIME ANIMATED LOAD MANAGEMENT RUN FSX AND USE THE '727 FREIGHTER' LOAD MANAGER.

DO NOT USE FOR FLIGHT**'TOOLS' TAB****TROUBLESHOOTING**

SET CORRECT PATH tool. If the 'FLEET' and 'PREFLIGHT' tabs ACE are unavailable please press 'BROWSE' button, set the path to FSX.exe and your FSX flight files (*.FLT) and press 'SAVE' button. 'FLEET' and 'PREFLIGHT' tabs should be available activated.

TEST '727 CAPTAIN' SIM button.

Please use this tool at Captain Sim support request ONLY.

Click this button to run safe system diagnostic tool and save the data to 'test.txt' file. No personal information collected.

REPAINT KIT

Prior to using the Repaint Kit please read Captain Sim [Copyright Policy](#).

1. DOWNLOAD 727-100 Base Pack REPAINT KIT

Available via: [Your Profile](#)

In Your Profile click: Product Name > Repaint Kits

2. INSTALL THE 727-100 Base Pack REPAINT KIT

Double click the downloaded csp721_rk.exe file. By default you will be offered to install Repaint Kit to [MS FS Root Folder]\SimObjects\Airplanes\CS_B727-100\texture.RepaintKit\ folder.

To view the Repaint Kit folder click START > Programs > Captain Sim > 727 Captain > Repaint Kits > Open Repaint Kit.

3. CREATE A LIVERY OF YOUR CHOICE.**IMPORTANT:**

The new livery set should be **ACE** (Aircraft Configuration Editor) compatible. Make sure the new livery set meets the following requirements:

- Texture files are not renamed;
- Texture files are in DXT3 (with Alpha) format;
- Package includes 256x128 pixels *thumbnail.jpg* image (screenshot) of the new livery.
- Package includes *description.txt* (do not rename it!) file in the following format:

Do not modify values shown in bold font.

[texture]

sim= cs727100

ui_type= one of the following below:

For 727-100:

727-100

727-100 QW

727-100 QW/RE

727-100 UDF

For 727-100 Freighter:

727-100 Freighter

727-100 RE Freighter

727-100 QW Freighter

727-100 QW/RE Freighter

For 727-200:

727-200

727-200 QW

727-200 QW/RE

For 727-200 Freighter:

727-200 Freighter

727-200 RE Freighter

727-200 QW Freighter

727-200 QW/RE Freighter

Where:

QW – model with winglets

RE - JT-8D 219 Engines

UDF - General Electric GE36 Engines

DO NOT USE FOR FLIGHT

ui_variation = Unique variation name. Should include full name and year when the livery was current AND repaint artists' initials. For example: United Airlines, 2003 JS

description = 727 Captain: 727-100 Base Pack v2.4\n(c) 2010 Captain Sim www.captainsim.com

Add your description of the livery. Any info you'd like to provide on the repaint. Artist name and e-mail address is recommended for feedback.

atc_id = XXXXXX (any numbers & characters)

atc_airline = XXXXXX (any numbers & characters)

atc_flight_number = XXXXXX (any numbers & characters)

EXAMPLE OF THE DESCRIPTION.TXT FILE:

```
[texture]
sim=cs727100
ui_type=727-100
ui_variation=United Airlines, 2003 JS
description=727 Captain: 727-100 Base Pack v2.4\n(c) 2010 Captain Sim www.captainsim.com \n
United Airlines, 2003. \n Repaint by John Smith.
atc_id=1234
atc_airline=1234
atc_flight_number=1234
```

4. PACK TO ZIP ARCHIVE THE FOLLOWING FILES:

- Texture sheets. DDS files. Include modified sheets only.
- **description.txt** file
- 256x128 pixels **thumbnail.jpg** image (screenshot) of the new livery.

IMPORTANT: All files must go to the archive *root* without any intermediate folders.

5. TEST NEW LIVERY IN MSFS

Try to add your livery to MSFS using ACE to make sure the livery is valid and ACE compatible.

6. UPLOAD NEW LIVERY

To any **free** file library (i.e. avsim.com, flightsim.com etc) or to any other **free** server.

Using [this form](#) please send us the following information:

- The *airlinenameYYYY.JPG* image (256x128px JPEG)
- Livery title
- Upload livery to Captain Sim server (zip only, 5Mb limit} or URL of the web page where the livery is available for download.

Please make sure file description complies to Captain Sim [Copyright Policy](#).

FREE LIVERIES

Free Liveries Catalog is available at our web site. Please [check-in](#) to Your Profile, click Product name link and use Get Free Liveries link.

DO NOT USE FOR FLIGHT

CUSTOMER SUPPORT

For Customer Support please visit: <http://www.captainsim.com/support/>

Thank you,
Enjoy your flight!

Captain Sim Team
www.captainsim.com